

Title (en)

SEATBELT TAKE-UP DEVICE AND SEATBELT SYSTEM

Title (de)

SITZGURTAUFNAHMEVORRICHTUNG UND SITZGURTVORRICHTUNG

Title (fr)

DISPOSITIF D'ENROULEMENT DE CEINTURE DE SÉCURITÉ ET SYSTÈME DE CEINTURE DE SÉCURITÉ

Publication

EP 3246216 A4 20180829 (EN)

Application

EP 15877918 A 20151016

Priority

- JP 2015004791 A 20150114
- JP 2015079296 W 20151016

Abstract (en)

[origin: EP3246216A1] A seatbelt winding apparatus and a seatbelt apparatus includes: a motor; and a control device configured to decrease a duty ratio of a pulse width modulation signal for controlling a driving voltage of the motor from a first value that is required to wind up a seatbelt to a second value that is smaller than the first value. After decreasing the duty ratio from the first value to the second value, the control device increases the duty ratio at an increase rate that defines an amount of increase in the duty ratio per unit time, in order to restrain the seatbelt from being pulled out.

IPC 8 full level

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CPC (source: EP)

B60R 22/44 (2013.01); **B60R 22/46** (2013.01); **B60R 22/48** (2013.01); **B60R 2022/4666** (2013.01)

Citation (search report)

- [A] US 2013049340 A1 20130228 - TOMBE HIDEYUKI [JP]
- See references of WO 2016113966A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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